

To: Swertfeger, Jeff[Jeff.Swertfeger@gcww.cincinnati-oh.gov]
From: Allgeier, Steve
Sent: Wed 1/15/2014 9:05:10 PM
Subject: RE: Elk River 4-Methylcyclohexane Methanol Spill Update

Jeff,

Thanks for the information. Yes, please pass along any more information you get. American Water and the State handled much of the response on their own, so we didn't have an active role in the response. However, we're trying to gather as much information as we can so we can field questions that continue to come in. I'd also like to see us firm up the health effects data, do some basic method validation, and update WCIT.

It was great to see how quickly you got out ahead of this. GCWW was able to effectively turn this into a non-issue for Cincinnati. A silver lining to the incident – maybe folks will be a little more appreciative of having a safe and reliable source of drinking water at their fingertips.

Steve

From: Swertfeger, Jeff [mailto:Jeff.Swertfeger@gcww.cincinnati-oh.gov]
Sent: Wednesday, January 15, 2014 3:54 PM
To: Allgeier, Steve
Subject: FW: Elk River 4-Methylcyclohexane Methanol Spill Update

See below for a little info from Louisville on jar testing for the stuff. contact Rengao for more info. Are you still interested in this? Should I keep sending this to you?

From: Rengao Song [mailto:rsong@lwcky.com]
Sent: Wednesday, January 15, 2014 1:47 PM
To: Jerry Schulte; Jim Mehl; Mike Baker; Mike Sherron; Mike Eggert; Robert Francis; Bruce Scott; Julie Roney; Ron Lohan; Mary Carol Wagner; Whitteberry, Bruce; Swertfeger, Jeff; Stuck, Richard; Richard Harrison; Jack Wang; Evansville Water - Tim Hall; Roger Lauder; Jim Sullivan; Max Michael; Kevin Roberts; Rodney Michael; Mt. Vernon Water; Morganfield Water - John Coffman; Sturgis Water; Paducah Water - Mindy Martin; Paducah Water - Glen Anderson; USEC - Paducah; Cairo Water - Rachel Bretz; Cairo Water - Stephen Keith; Cairo Water - Steve Brinkmeyer; binetti, victoria; Bruggers, James; Art Smith; CARROLL, PAT; Paul Tomes; Stuart Bruny; teasterly@idem.in.gov; toby.frevert@gmail.com; Scott.G.Mandirola@wv.gov
Cc: Lisa Cochran; Melissa Mann; Peter Tennant; Eben Hobbins; Greg Youngstrom; Jason Heath; Jeanne Ison; Jeff

Thomas; Lila Ziolkowski; Rob Tewes; Ryan Argo; Sam Dinkins; Stacey L. Cochran; Steve Braun; Travis Luncan
Subject: RE: Elk River 4-Methylcyclohexane Methanol Spill Update

1. SPME-GC-MS detection level ~0.5 ppb. Similar method for MIB analysis.
2. Odor threshold is ~ 3 to 5 ppb. Treatment goal is 3 ppb.
3. PAC works fine, similar to MIB removal. PAC dosages need to be determined by Jar testing.
 - a. The removal percentage is a constant independent of the initial MCHM concentrations. For example, if you have a river MCHM level of 10 ppb and your goal in finished water is 3 ppb: a 70% removal is needed. This 70% is used to determine carbon dosage.
 - b. A common mistake to conduct jar testing is let the carbon mixed/settled too long in the jar. A typical plant should not mix/settle carbon for more than 30 to 45 minutes. PAC adsorption is determined by kinetics.